

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

021004

13281 U.S. PTO

<b>UTILITY PATENT APPLICATION TRANSMITTAL</b> <small>(Only for new nonprovisional applications under 37 CFR 1.53(b))</small>		<b>Attorney Docket No.</b> M4065.1025/P1025 <b>First Inventor</b> Sanh D. Tang <b>Title</b> VERTICAL WRAP-AROUND-GATE FIELD-EFFECT-TRANSISTOR FOR HIGH DENSITY, LOW VOLTAGE LOGIC AND MEMORY ARRAY <b>Express Mail Label No.</b>	
<b>APPLICATION ELEMENTS</b> <small>See MPEP chapter 600 concerning utility patent application contents.</small>		<b>ADDRESS TO:</b> MS Patent Application Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450	
1. <input checked="" type="checkbox"/> Fee Transmittal Form (e.g., PTO/SB/17) <small>(Submit an original, and a duplicate for fee processing)</small> 2. <input type="checkbox"/> Applicant claims small entity status. <small>See 37 CFR 1.27.</small> 3. <input checked="" type="checkbox"/> Specification [Total Pages <b>31</b> ] <small>(preferred arrangement set forth below)</small> - Descriptive title of the invention - Cross Reference to Related Applications - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table, or a computer program listing appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (if filed) - Detailed Description - Claim(s) - Abstract of the Disclosure 4. <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C. 113) [Total Sheets <b>6</b> ] 5. Oath or Declaration [Total Sheets <b>3</b> ] a. <input checked="" type="checkbox"/> Newly executed (original or copy) b. <input type="checkbox"/> Copy from a prior application (37 CFR 1.63(d)) <small>(for continuation/divisional with Box 18 completed)</small> i. <input type="checkbox"/> <b>DELETION OF INVENTOR(S)</b> <small>Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).</small> 6. <input type="checkbox"/> Application Data Sheet. See 37 CFR 1.76		7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) 8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) a. <input type="checkbox"/> Computer Readable Form (CRF) b. Specification Sequence Listing on: i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or ii. <input type="checkbox"/> Paper c. <input type="checkbox"/> Statements verifying identity of above copies <b>ACCOMPANYING APPLICATION PARTS</b> 9. <input checked="" type="checkbox"/> Assignment Papers (cover sheet & document(s)) 10. <input type="checkbox"/> 37 CFR 3.73(b) Statement (when there is an assignee) <input checked="" type="checkbox"/> Power of Attorney 11. <input type="checkbox"/> English Translation Document (if applicable) 12. <input checked="" type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input checked="" type="checkbox"/> Copies of IDS Citations 13. <input checked="" type="checkbox"/> Preliminary Amendment 14. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) (Should be specifically itemized) 15. <input type="checkbox"/> Certified Copy of Priority Document(s) (if foreign priority is claimed) 16. <input type="checkbox"/> Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent. 17. <input type="checkbox"/> Other:	
18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76: <input type="checkbox"/> Continuation <input type="checkbox"/> Divisional <input type="checkbox"/> Continuation-in-part (CIP) of prior application No.: _____ Prior application information: Examiner _____ Art Unit: _____ <b>For CONTINUATION OR DIVISIONAL APPS only:</b> The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation <u>can only</u> be relied upon when a portion has been inadvertently omitted from the submitted application parts.			
<b>19. CORRESPONDENCE ADDRESS</b>			
<input checked="" type="checkbox"/> Customer Number: <b>24998</b> OR <input type="checkbox"/> Correspondence address below			
Name		DICKSTEIN SHAPIRO MORIN & OSHINSKY LLP Thomas J. D'Amico	
Address		2101 L Street NW	
City	Washington	State	DC
Zip Code	20037-1526		
Country	US	Telephone	(202) 785-9700
		Fax	(202) 887-0689
Name (Print/Type)		Thomas J. D'Amico	
Registration No. (Attorney/Agent)		28,371	
Signature		Date	February 13, 2004



13281 U.S. PTO

021004

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

FEE TRANSMITTAL for FY 2004 <small>Effective 10/01/2003, Patent fees are subject to annual revision.</small>		Complete if Known	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27		Application Number	N/A
TOTAL AMOUNT OF PAYMENT (\$)		Filing Date	February 10, 2004
1,054.00		First Named Inventor	Eric R. Fossum
		Prior Examiner Name	T. V. Ho
		Prior Art Unit	2612
		Attorney Docket No.	M4065.0774/P774-A
METHOD OF PAYMENT (check all that apply)		FEE CALCULATION (continued)	
<input type="checkbox"/> Check <input checked="" type="checkbox"/> Credit Card <input type="checkbox"/> Money Order <input type="checkbox"/> Other <input type="checkbox"/> None		3. ADDITIONAL FEES	
<input checked="" type="checkbox"/> Deposit Account: Deposit Account Number: 04-1073 Deposit Account Name: Dickstein Shapiro Morin & Oshinsky LLP		Large Entity Small Entity	
The Director is authorized to: (check all that apply)		Fee Code Fee (\$) Fee Code Fee (\$) Fee Description Fee Paid	
<input type="checkbox"/> Charge fee(s) indicated below <input checked="" type="checkbox"/> Credit any overpayments		1051 130 2051 65 Surcharge - late filing fee or oath	
<input checked="" type="checkbox"/> Charge any additional fee(s) or any underpayment of fee(s)		1052 50 2052 25 Surcharge - late provisional filing fee or cover sheet.	
<input type="checkbox"/> Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.		1053 130 1053 130 Non-English specification	
FEE CALCULATION		1812 2,520 1812 2,520 For filing a request for ex parte reexamination	
1. BASIC FILING FEE		1804 920* 1804 920* Requesting publication of SIR prior to Examiner action	
Large Entity Small Entity		1805 1,840* 1805 1,840* Requesting publication of SIR after Examiner action	
Fee Code Fee (\$)	Fee Code Fee (\$)	1251 110 2251 55 Extension for reply within first month	
1001 770 2001 385 Utility filing fee	770.00	1252 420 2252 210 Extension for reply within second month	
1002 340 2002 170 Design filing fee		1253 950 2253 475 Extension for reply within third month	
1003 530 2003 265 Plant filing fee		1254 1,480 2254 740 Extension for reply within fourth month	
1004 770 2004 385 Reissue filing fee		1255 2,010 2255 1,005 Extension for reply within fifth month	
1005 160 2005 80 Provisional filing fee		1401 330 2401 165 Notice of Appeal	
SUBTOTAL (1) (\$)		1402 330 2402 165 Filing a brief in support of an appeal	
770.00		1403 290 2403 145 Request for oral hearing	
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE		1451 1,510 1451 1,510 Petition to institute a public use proceeding	
Total Claims 31 -20** = 11 x Fee from below = 198.00		1452 110 2452 55 Petition to revive - unavoidable	
Independent Claims 4 -3** = 1 x Fee from below = 86.00		1453 1,330 2453 665 Petition to revive - unintentional	
Multiple Dependent		1501 1,330 2501 665 Utility issue fee (or reissue)	
Large Entity Small Entity		1502 480 2502 240 Design issue fee	
Fee Code Fee (\$)	Fee Code Fee (\$)	1503 640 2503 320 Plant issue fee	
1202 18 2202 9 Claims in excess of 20		1460 130 1460 130 Petitions to the Commissioner	
1201 86 2201 43 Independent claims in excess of 3		1807 50 1807 50 Processing fee under 37 CFR 1.17(q)	
1203 290 2203 145 Multiple dependent claim, if not paid		1806 180 1806 180 Submission of Information Disclosure Stmt	
1204 86 2204 43 ** Reissue independent claims over original patent		8021 40 8021 40 Recording each patent assignment per property (times number of properties)	
1205 18 2205 9 ** Reissue claims in excess of 20 and over original patent		1809 770 2809 385 Filing a submission after final rejection (37 CFR 1.129(a))	
SUBTOTAL (2) (\$)		1810 770 2810 385 For each additional invention to be examined (37CFR 1.129(b))	
284.00		1801 770 2801 385 Request for Continued Examination (RCE)	
**or number previously paid, if greater; For Reissues, see above		1802 900 1802 900 Request for expedited examination of a design application	
		Other fee (specify)	
		*Reduced by Basic Filing Fee Paid	
		SUBTOTAL (3) (\$)	
		0.00	
SUBMITTED BY		(Complete if applicable)	
Name (Print/Type)	Thomas J. D'Amico	Registration No. (Attorney/Agent)	28,371
Signature		Telephone	(202) 828-2232
		Date	February 10, 2004

Docket No.: M4065.0774/P774  
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

---

In re Patent Application of:  
Eric R. Fossum

Application No.: 09/028,961

Allowed: October 22, 2003

Filed: February 23, 1998

Art Unit: 2612

For: INTERPOLATOR FOR A CMOS IMAGE  
SENSOR USING A DIGITAL REGISTER  
(AS AMENDED)

---

Examiner: T. Ho

SUBMISSION OF FORMAL DRAWINGS

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Submitted herewith is one set (six sheets) of formal drawings for filing in the above-identified patent application. Kindly substitute the enclosed formal drawings for the informal drawings submitted with the originally filed application.

Dated: December 30, 2003

Respectfully submitted,

By 

Thomas J. D'Amico  
Registration No.: 28,371  
DICKSTEIN SHAPIRO MORIN &  
OSHINSKY LLP  
2101 L Street NW  
Washington, DC 20037-1526  
(202) 785-9700  
Attorney for Applicant